

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JC20 Rec'd PCT/PTO 03 OCT 2005

In re Patent Application of

Ju-Ock Nam et al.

Group Art Unit: Unassigned

Application No.: Unassigned

Examiner: Unassigned

Filing Date: October 3, 2005

Confirmation No.: Unassigned

Title: USE OF A PEPTIDE THAT INTERACTS WITH ALPHA V BETA 3 INTEGRIN OF ENDOTHELIAL CELL

First  
INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTERCommissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed is a First Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \_\_\_\_\_ is enclosed for the fee due.
- ☐ Charge \_\_\_\_\_ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL PC

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By

  
Susan M. Dadio

Registration No. 40,373

Date: October 3, 2005

JC20 Rec'd PCT/PTO 03 OCT 2003

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Ju-Ock NAM et al.	)	Group Art Unit: Unassigned
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Application No.: Unassigned	)	Examiner: Unassigned
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For: USE OF A PEPTIDE THAT	)	
INTERACTS WITH ALPHA V BETA 3	)	
INTEGRIN OF ENDOTHELIAL CELL	)	

**FIRST INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Also enclosed is a copy of the International Search Report mailed on June 15, 2004 in connection with corresponding International Application No. PCT/KR2004/000774.

**Non-Patent Literature Documents**

1. NAM et al., "Identification of the  $\alpha v \beta 3$  Integrin-interacting Motif of  $\beta$ ig-h3 and Its Anti-angiogenic Effect," The Journal of Biological Chemistry, 2003, vol. 278, n. 28, pp. 25902-25909, The American Society for Biochemistry and Molecular Biology, Inc., Washington, D.C.
2. HORTON, "The  $\alpha v \beta 3$  Integrin "Vitronectin Receptor," Int. J. Biochem. Cell Biology, 1997, vol. 29, n. 5, pp. 721-725, Elsevier Science Ltd., Great Britain.
3. KIM et al., "Identification of Motifs for Cell Adhesion with the Repeated Domains of Transforming Growth Factor- $\beta$ -induced Gene,  $\beta$ ig-h3," The Journal of Biological Chemistry, 2000, vol. 275, n. 40, The American Society for Biochemistry and Molecular Biology, Inc., Washington, D.C.
4. KIM et al., "Identification of Motifs in the Fasciclin Domains of the Transforming Growth Factor- $\beta$ -induced Matrix Protein  $\beta$ ig-h3 That Interact with the  $\alpha v \beta 5$  Integrin," The Journal of Biological Chemistry, 2002, vol. 277, n. 48, The American Society for Biochemistry and Molecular Biology, Inc., Washington, D.C.

**JC20 Rec'd PCT/PTO 03 OCT 2005**

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date October 3, 2005

By:

  
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Substitute for form 1449A/PTO &amp; 1449B/PTO

Complete if Known

# **FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Application Number	Unassigned
Filing Date	October 3, 2005
First Named Inventor	Ju-Ock Nam et al.
Examiner Name	Unassigned
Attorney Docket Number	012679-113

## **U.S. PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec

## **NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	NAM et al., "Identification of the $\alpha v \beta 3$ Integrin-interacting Motif of $\beta$ ig-h3 and Its Anti-angiogenic Effect," <u>The Journal of Biological Chemistry</u> , 2003, vol. 278, n. 28, pp. 25902-25909, The American Society for Biochemistry and Molecular Biology, Inc., Washington, D.C.
	HORTON, "The $\alpha v \beta 3$ Integrin "Vitronectin Receptor," <u>Int. J. Biochem. Cell Biology</u> , 1997, vol. 29, n. 5, pp. 721-725, Elsevier Science Ltd., Great Britain.
	KIM et al., "Identification of Motifs for Cell Adhesion with the Repeated Domains of Transforming Growth Factor- $\beta$ -induced Gene, $\beta$ ig-h3," <u>The Journal of Biological Chemistry</u> , 2000, vol. 275, n. 40, The American Society for Biochemistry and Molecular Biology, Inc., Washington, D.C.
	KIM et al., "Identification of Motifs in the Fasciclin Domains of the Transforming Growth Factor- $\beta$ -induced Matrix Protein $\beta$ ig-h3 That Interact with the $\alpha v \beta 5$ Integrin," <u>The Journal of Biological Chemistry</u> , 2002, vol. 277, n. 48, The American Society for Biochemistry and Molecular Biology, Inc., Washington, D.C.

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.